

# WHAT IS THIS ? AND HOW DO I READ IT?

**KNYG METAR 012255Z 00000KT 7SM BKN050  
OVC120 17/13 A3015 RMK SLP216 T01720128;**

**KNYG RTD 012121 14009KT 9999 SCT030 BKN050 BKN150  
OVC250 610306 542509 543406 QNH3009INS  
TEMPO 2102 6000 -SHRA BKN030 OVC080  
BECMG 0204 02006KT 9999 SCT015 BKN030 OVC080  
QNH3012INS  
TEMPO 0208 8000 -RA BKN015 OVC030  
BECMG 1416 36012G22KT 9999 SCT010 BKN020 60000 50000  
QNH3017INS  
T03/11Z T16/20Z LAST TAF NO AMDS AFTER 0205 NEXT 0209**

# METAR OBSERVATIONS



**A METAR OBSERVATION IS A CURRENT WEATHER OBSERVATION FOR A PARTICULAR STATION. THEY ARE, AT THE MINIMUM, TAKEN 10-15 MINUTES PRIOR TO EVERY HOUR.**

**WHEN SPECIAL WEATHER CRITERIA IS PRESENT, (I.E. THUNDERSTORMS PRECIPITATION, VISIBILITY REDUCERS, TORNADOES ETC...) AN OBSERVER WILL TAKE A SPECIAL OBSERVATION WHENEVER THE SPECIAL CRITERIA IS MET.**

KNYG METAR 012255Z 00000KT 1SM BKN005  
BKN050 OVC120 R1713023PK5WNMDE280451WR VIS 1  
FRQDTGICCCCAOGR SISSEMOVLNHC SCT000 SE  
CB SE MOV NE FG SCT000 CB W MOV E  
E

## REMARKS -

PA01W6A02 Cloud-Typed weather station  
To determine sensor reliability - visibility is  
recorded 1280 ft. data from GRTGL/A6S is blowing  
Occasional 450 ft. reported maximum with recorded in that h  
is 4 statute miles or less from the tower.  
In GRTGL/A02 = Direction of movement = MOV E  
visibility differs from prevailing visibility.  
Frequent

Cloud to Cloud = CC

Continuous = CNS

Cloud to Air

= CA

# **TERMINAL AERODOME FORECAST**

**A TERMINAL AERODOME FORECAST (TAF) IS A 24 HOUR FORECAST FOR A GIVEN LOCATION. IT IS UPDATED EVERY 6 SIX HOURS (AT 09Z, 15Z, 21Z, AND 03Z) OR WHENEVER FORECAST AMENDMENT CRITERIA IS MET.**

**KNYG RTD 012121 14009KT 9999 SCT030 BKN050 BKN150  
OVC250 610306 542509 543406 QNH3009INS  
TEMPO 2102 6000 -SHRA BKN030 OVC080  
BECMG 0204 02006KT 9999 SCT015 BKN030 OVC080  
QNH3012INS  
TEMPO 0208 8000 -RA BKN015 OVC030  
BECMG 1416 36012G22KT 9999 SCT010 BKN020 60000 50000  
QNH3017INS  
T03/11Z T16/20Z LAST TAF NO AMDS AFTER 0205 NEXT 0209**

# TAF BREAKDOWN

NAVMETOC COMINST 3143.1F

## REMARKS

RTD - ROUTINE DELAY TRANSMISSION

COR - CORRECTION SENT

AMD - AMENDMENT SENT

6 - TING GROUP

WIND DIRECTION/SPEED

VISIBILITY  
IN METERS

FORECASTED  
SKY CONDITION

FORECASTED  
MINIMUM  
ALTIMETER

STATION  
ID.

5 = TURBULENCE GROUP  
DATE &  
FORECAST PERIOD

KNYG RTD 012121 14009KT 9999 SCT030 BKN050 BKN150 OVC250

610306 542509 543406 QNH3009INS

TEMPO 2102 6000 -SHRA BKN030 OVC080

BECMG 0204 02006KT 9999 SCT015 BKN030 OVC080 QNH3012INS

TEMPO 0208 8000 -RA BKN015 OVC030

BECMG 0810 36012KT 9999 SCT010 OVC020 QNH3015INS

BECMG 1416 36012G22KT 9999 SCT010 BKN020 600000 500000

QNH3017INS

TEMPO 1421 BKN010 OVC020

T03/11Z T16/20Z LAST TAF NO AMDS AFTER 0205 NEXT 0209

THE 1<sup>ST</sup> LINE OF THE TAF TELLS YOU THE PREDOMINANT CONDITIONS

AN ATTEMPTED GROUP HAD BEEN DELETED, TEMPORARY REUNION BECMG GROUP.

FORECAST ARE EXPECTED TO LAST LESS THAN 1 HOUR IN EACH INSTANCE

A BECMG GROUP IS A CHANGE GROUP, WHICH DOESN'T NORMALLY EXCEED

4 HOURS, INDICATING A CHANGE IN PREDOMINANT CONDITIONS TO THE

ELEMENTS LISTED.

# DD-175-1 BREAKDOWN

## PART IV - COMMENTS / REMARKS

31. BRIEFED ON LATEST RCR FOR DESTN AND ALTN

YES

**X**

NOT AVAILABLE

32. REQUEST PIREP AT **TOC 264.5 MH**

33. REMARKS

### CURRENT OBSERVATION

**BANSHEE**

### PART I - MISSION / TAKEOFF DATA

1. DATE (YYMMDD)

**10111**

2. ACFT TYPE/NO.

**(3) F/A-18 R**

3. DEP PT/ETD

**KNBC/ 1200**

4. RUNWAY TEMP

5. DEWPOINT

**N/R**

6. TEMP DEV

7. PRESSURE ALT

FT

8. DENSITY ALT

FT

9. SFC WIND

**02008**

10. CLIMB WINDS

**34030**

11. LOCAL WEATHER WARNING / ADVISORY

**T1 SET VT:1000L**

12. RCR

**N/A**

13. REMARKS / TAKEOFF ALTN FCST

**NONE**

**FAXED AT 0600L**

## PART V - BRIEFING RECORD

34. WEA BRIEFED

**1130Z**

35. FLIMSY BRIEFING NO.

**01-154**

36. FORECASTER'S SIGNATURE OR INITIALS

**I. M. Marine S**

37. VOID TIME

**1230Z**

38. EXTENDED TO

39. WEA REBRIEFED AT

40. FORECASTER'S INIT

41. NAME OF PERSON RECEIVING BRIEFING



# VISIBILITY CONVERSION TABLE

## METERS TO STATUTE MILES

- 0000M = 0SM
- 0100M = 1/16SM
- 0200M = 1/8 SM
- 0300M = 3/16SM
- 0400M = 1/4SM
- 0500M = 5/16SM
- 0600M = 3/8SM
- 0800M = 1/2SM
- 1000M = 5/8SM
- 1200M = 3/4SM
- 1400M = 7/8SM
- 1600M = 1SM
- 1800M = 1-1/8SM
- 2000M = 1-1/4SM
- 2200M = 1-3/8SM
- 2400M = 1-1/2SM
- 2600M = 1-5/8SM
- 2800M = 1-3/4SM
- 3000M = 1-7/8SM
- 3200M = 2SM
- 3600M = 2-1/4SM
- 4000M = 2-1/2SM
- 4800M = 3SM
- 6000M = 4SM
- 8000M = 5SM
- 9000M = 6SM
- 9999M = 7SM UNRESTRICTED



PRESENT WEATHER DESCRIPTION TABLE				
INTENSITY OR PROXIMITY	DESCRIPTOR	PRECIPITATION	OBSCURATION	OTHER
- = Light	MI = Shallow	DZ = Drizzle	BR = Mist	SS = Sandstorm
= Moderate	PR= Partial	RA = Rain	FG = Fog	DS = Duststorm
+ = Heavy	BC = Patches	SN = Snow	PY = Spray	PO = Dust/Sand Whirls
VC = Vicinity	DR = Low Drifting	SG = Snowgrains	HZ = Haze	FC = Funnel Cloud Tornado Watersprout
	BL = Blowing	IC = Ice Crystals	SA = Sand	SQ = Squalls
	SH = Showers	PE = Ice Pellets	DU = Widespread dust	
	TS = Thunderstorm	GS = Small Hail	FU = Smoke	
	FZ =	GR =	VA =	

# SKY CONDITIONS

CLEAR SKIES	SKC	0/8
TRACE	FEW	1/8-2/8
SCATTERED	SCT	3/8-4/8
BROKEN	BKN	5/8-7/8
OVERCAST	OVC	8/8
VERTICALLY OVERCAST	VV	8/8

❖ Sky Condition is measured in 1/8's of the horizon